

MISSOURI
DEPARTMENT OF
NATURAL RESOURCES

Mike Kehoe
Governor

Kurt U. Schaefer
Director

May 12, 2025

**FINANCIAL ASSISTANCE CENTER
FINDING OF NO SIGNIFICANT IMPACT/ENVIRONMENTAL ASSESSMENT**

TO: ALL INTERESTED GOVERNMENT AGENCIES AND PUBLIC GROUPS

In accordance with procedures for environmental review found at 10 CSR 60-13.030, a review has been performed on the proposed action below:

PROJECT INFORMATION:

Project Identification: Drinking Water System Distribution Improvements

Applicant: Howard County Public Water Supply District No. 2

Project No: DW291407-01

County: Howard

State: Missouri

Estimated Project Amount: \$2,276,000

Potential State Revolving Fund (SRF) Amount: \$2,276,000

COMMUNITY DESCRIPTION:

Location: The water system is located in central Missouri in Howard County. The district is approximately 57 miles northwest of Jefferson City, Missouri.

Population, Present and Projected, and Design Year: The district serves a population of approximately 730 people with an average day demand of 40,000 gallons per day (GPD), and a peak day demand of 60,000 GPD. Twenty-year growth forecasts a population of approximately 806 people with an average day demand of 44,164 GPD and a peak day demand of 66,246 GPD.

Current Methods of Supply, Storage, Water Treatment, and Distribution: The district purchases water from the nearby City of Glasgow. The district is split into two pressure zones, each with its own standpipe. The distribution system for the district was originally installed in the 1970s.



PROJECT DESCRIPTION:

Distribution Improvements: The project will consist of the installation of a new regional connection with the Howard County Regional Water Commission at the site of the Commission's elevated storage tank, alongside a booster pumping station. It will also include construction of approximately 25,000 feet of 8-inch water lines to transport water from this connection to Howard County Public Water Supply District No. 2's water storage standpipe that serves the southern zone. It will furthermore include the installation of approximately 1,400 feet of new 4-inch line in the southern zone to improve hydraulics. Finally, it will also include the installation of a standby generator at the site of the new booster pumping station and rehabilitation of the existing booster pump station at 15th Street in the City of Glasgow.

Purpose and Need: The purpose of the project is to make the necessary improvements to enable the city to operate a water system that meets drinking water quality standards and provide reliable water service, both now and within the city's planning period. The improvements are proposed to improve water safety and to increase water supply.

Design Factors: Work will be performed in right-of-ways, easements, and on property owned by the water system. Construction activity will consist of boring, trenching, digging, and movement of machinery over the surface. The design standards used in this project are based on the 2013 Minimum Design Standards for Missouri Community Water Systems.

ALTERNATIVES CONSIDERED:

No Action (Not Selected): This alternative would require the district to continue to operate and maintain the existing system to provide water service to its customers. This alternative would not address the low pressure in the system.

Action Alternative No. 1 (Not Selected): This action alternative would include the construction of a new connection to Glasgow and the construction of a new elevated storage tank. It would also include the addition of approximately 4,500 feet of water main to loop dead end lines. This alternative was determined to not be economically viable.

Action Alternative No. 2 (Not Selected): This action alternative would be identical to Action Alternative No. 1, but only 1,400 feet of main would be installed instead of 4,500 feet. This alternative was determined to also not be economically viable.

Action Alternative No. 3 (Not Selected): This action alternative would include a new connection to Glasgow at a point further north than that of Action Alternative No. 1. It would also include approximately 31,610 feet of 12-inch water lines. This alternative was not selected due to the length of main needed.

Action Alternative No. 4 (Not Selected): This action alternative would include the construction of a new water supply well at the south zone storage standpipe. This alternative was not selected due to the raw water quality at the proposed site.

Action Alternative No. 5 (Not Selected): This action alternative would include the construction of a new storage tank on the southern edge of the north pressure zone that would pump to the southern zone. This alternative was determined to be hydraulically infeasible.

Action Alternative No. 6 (Selected): This action alternative would include a new connection to the Howard County Regional Water Commission and approximately 25,000 feet of 8-inch water mains to the southern zone.

REASONS FOR SELECTION OF PROPOSED ALTERNATIVES

Selected Actions: Action Alternative No. 6 was selected over the other alternatives as it provides the most feasible and cost-effective solution to provide adequate water for the system.

ENVIRONMENTAL IMPACT SUMMARY:

1. Primary Impacts

- a. Construction: Blowing dust, temporary surface disruption, and noise from construction equipment will occur during construction, but these impacts are expected to be minor and temporary in nature.
- b. Environmental: Environmental impacts of the project are expected to be temporary in nature. The proposed improvements will allow the water system to operate more efficiently and provide safe and reliable drinking water to the city's customers for the next 20 years.
- c. Financial: The current average residential user charge for drinking water is \$76.00 per 5,000 gallons. The proposed project is expected to increase the city's average monthly residential user charge for drinking water to approximately \$92.68 per 5,000 gallons.

2. Secondary:

- a. Population Impacts: This project is designed to serve the existing water system. No relocation of people or structures is anticipated.
- b. Land Use and Trends: This project will interconnect two existing water districts. No significant change in land use trends is expected to result from this project.
- c. Environmental: No significant secondary environmental impacts are expected as a result of this project.

3. Mitigation Measures Necessary to Eliminate Adverse Environmental Effects: Noise, dust, and erosion normally associated with construction will be minimized by good engineering and construction practices. Restoration of disturbed areas along the water mains will be undertaken after construction is complete. Any debris such as demolition and construction waste, trees, or brush, will be disposed of properly.

The Gray and Indiana bats are included on the federal and state-listed endangered species lists and the Northern Long-Eared bats are included on the federal-listed threatened species list and may be present in the area. Any clearing of trees that may be required will be limited to the bat-inactive season from November 1-March 31.

The State Historic Preservation Office requested a cultural resource survey be conducted for the project. The survey was conducted by the Warren Center for Archaeological Research and submitted to the State Historic Preservation Office in October 2024. The survey resulted in no cultural resources findings within the project area and recommended that the project continue without further archaeological investigations.

4. Irreversible and Irretrievable Commitment of Resources: Fuel, chemicals, and construction materials will be irretrievably committed to the project. Future funds will be committed to the operation and maintenance of the water system.
5. Positive Environmental Effects to be Realized from the Proposed Project: The proposed improvements to the district's system will help provide better water quality, improve operations, reduce pressure loss, extend the system's life cycle, and provide more reliability throughout the system.
6. Reasons for Concluding there will be No Significant Impact: The proposed project will have a positive impact on water quality and reliability. Population densities and land use trends will not be significantly affected. Where minor impacts occur, appropriate mitigation measures are planned.

PUBLIC PARTICIPATION:

1. Public Involvement: The district conducted a public meeting to discuss the proposed project improvements, the engineering alternatives, and environmental impacts of the project on March 31, 2025, at 512 1st Street in Glasgow, Missouri. Notice of the meeting appeared February 28, 2025, in The Glasgow Missourian.
2. Public Opposition or Opinions: No adverse comments on the proposed project were received.

COORDINATION AND DOCUMENTATION WITH OTHER AGENCIES AND SPECIAL INTEREST GROUPS:

1. Facility Plan:
 - Pressure Evaluation (Southern Area) Preliminary Engineering Report, dated December 2018, prepared by McClure Engineering Co.
 - Preliminary Engineering Report for Water System Improvements, dated June 2022, prepared by OWN, Inc.
 - Environmental Review Information for Howard County Public Water Supply District No. 2, dated April 2025, prepared by OWN, Inc.

2. Federal: X U.S.F.W.S. X Corps of Engineers

3. State:

Environmental Notices

- a. Missouri Department of Natural Resources – Division of State Parks
- b. Missouri Department of Natural Resources – Missouri Geological Survey
- c. Missouri Office of Administration – Federal Assistance Clearinghouse
- d. Missouri Department of Conservation

Historical and Cultural Notices

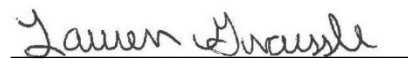
- a. Missouri Department of Natural Resources – State Historic Preservation Office
- b. Native American Tribes

4. Consulting Engineer: Own, Inc.
218 5th Street
Monett, MO 65708

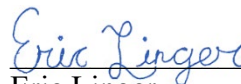
This action is taken on the basis of a careful review of the facility plan on file in the office of the Missouri Department of Natural Resources' Financial Assistance Center at 1101 Riverside Drive, Jefferson City, MO 65101. These are available for public review upon request Monday through Friday, 8:00 a.m. to 5:00 p.m. This agency will not take any administrative action on this project for at least 30 calendar days from the date of this document. Persons wishing to comment on the above environmental decision may submit comments to Lauren Graessle, P.E., of the Department of Natural Resources, Financial Assistance Center, P.O. Box 176, Jefferson City, MO 65102-0176, during this period. Thank you.

Sincerely,

FINANCIAL ASSISTANCE CENTER



Lauren Graessle, P.E.
Director



Eric Linger
Assistant Engineer

LG:elc

May 12, 2025
Date

Attachments

DISTRIBUTION

Department of Conservation
P.O. Box 180
Jefferson City, MO 65102

Conservation Federation of Missouri
728 West Main Street
Jefferson City, MO 65101

U.S. Environmental Protection Agency
c/o Carter Tharp – WWPD/SRFB
Tharp.carter@epamail.epa.gov

Missouri Department of Natural Resources
Missouri Geological Survey
Environmental Geology Section
P.O. Box 250
Rolla, MO 65402-0250

Missouri Department of Natural Resources
Division of State Parks
State Historic Preservation Office
P.O. Box 176
Jefferson City, MO 65102-0176

U.S. Fish and Wildlife Service
Ecological Services
101 Park DeVillie Drive, Suite A
Columbia, MO 65203-0057

National Park Service
Midwest Region
mwro_compliance@nps.gov

USDA Rural Development
601 Business Loop 70 West
235 Parkade Center
Columbia, MO 65203

Gilmore and Bell, P.C.
c/o Shannon Walsh Creighton
One Metropolitan Square
211 North Broadway, Suite 2000
St. Louis, MO 63102-2741

Osage Nation Historic Preservation Office
627 Grandview
Pawhuska, OK 74056

SRF File DW291407-01

Howard County Public Water Supply District No. 2
c/o Chad Fuemmeler
President
521 1st Street
Glasgow, MO 65254

OWN, Inc.
c/o Patrick O'Bryant
218 5th Street
Monett, MO 65708

Missouri Department of Natural Resources
Northeast Regional Office
1709 Prospect Drive
Macon, MO 63552

The Glasgow Missourian
109 Market Street
P.O. Box 248
Glasgow, MO 65254

Environmental Protection Agency
Office of Federal Activities
Ariel Rios (2252A)
1200 Pennsylvania Avenue, N.W.
Washington, DC 20004

U.S. Council on Environmental Quality
730 Jackson Place, N.W.
Washington, DC 20006

U.S. Army Corps of Engineers
Kansas City District
Missouri State Regulatory Office
3705 Missouri Boulevard #200
Jefferson City, MO 65109

Mid-Missouri Regional Planning Commission
206 East Broadway
P.O. Box 140
Ashland, MO 65010

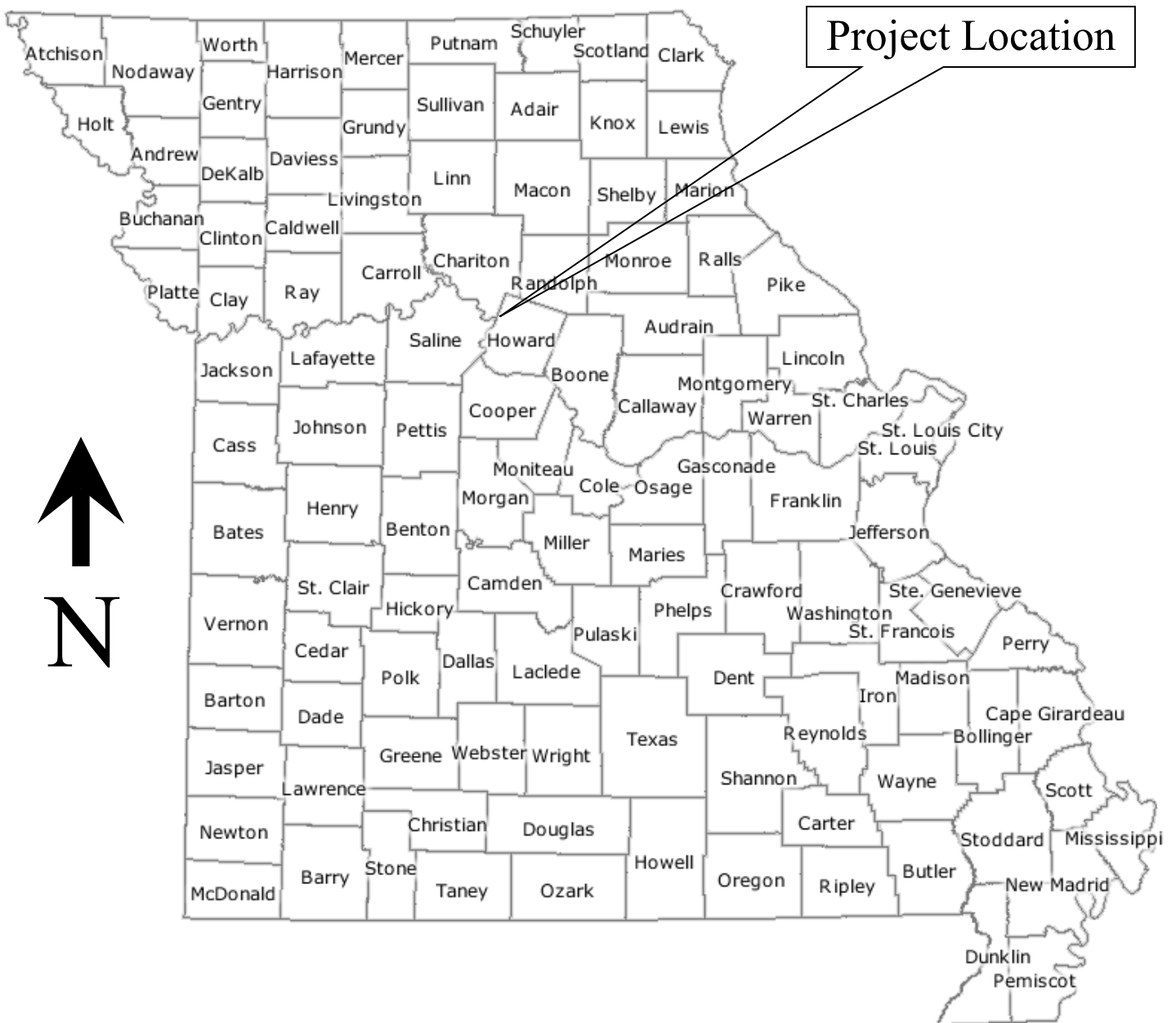
Lewis, Rice
c/o David Brown
600 Washington Avenue, Suite 2500
St. Louis, MO 63102

Attached Maps

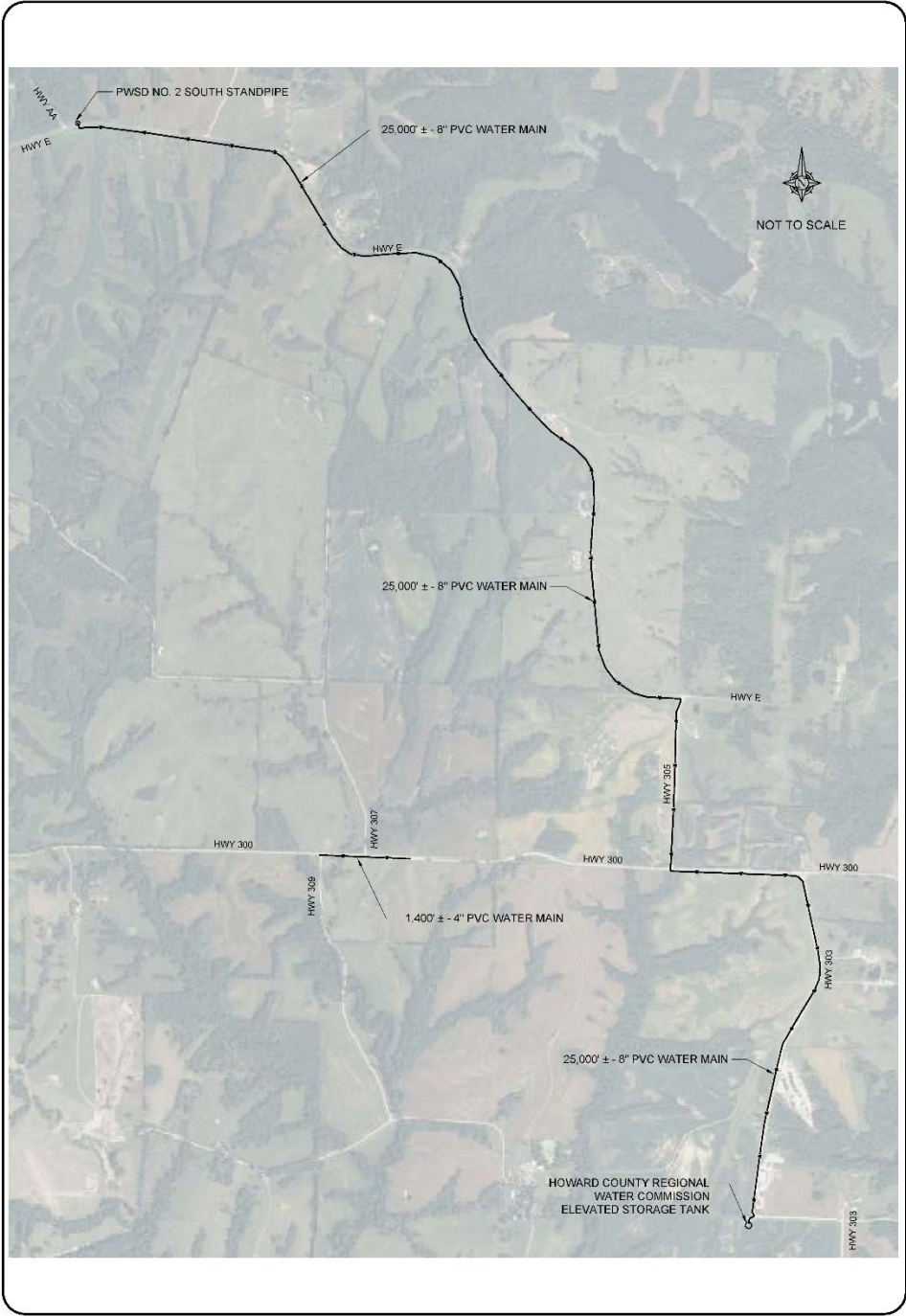
1. State Map/Project Location Map
2. Project Location Map

State of Missouri

Howard County PWSD 2, MO



Project Location Map



SHEET NUMBER

1

OF 1

PROPOSED SYSTEM IMPROVEMENTS

HOWARD COUNTY
PWSD NO. 2

HOWARD COUNTY, MISSOURI

REVISIONS	
NO.	DESCRIPTION

PRELIMINARY

AE ANDERSON
ENGINEERING

EMPLOYEE OWNED

CONSULTING ENGINEERING - ARCHITECTURAL
1000 E. 10th Street, Suite 100, Des Moines, IA 50319
PHONE: (515) 281-1111 FAX: (515) 281-1112
WWW.ANDERSONENGINEERING.COM